

Title (en)

AUTOMATED MAT CLEANING AND HANDLING SYSTEM AND METHOD

Title (de)

AUTOMATISCHES MATTENREINIGUNGS- UND -HANDHABUNGSSYSTEM UND -VERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ AUTOMATISÉS DE NETTOYAGE ET MANIPULATION DE TAPIS

Publication

**EP 2303086 A4 20141029 (EN)**

Application

**EP 09767738 A 20090618**

Priority

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- US 5995208 P 20080618
- US 48739609 A 20090618

Abstract (en)

[origin: WO2009155429A1] An automated system is configured to wash and dry mats. The system includes a number of modules, including a loading module, vibration module, washing module, vacuum module, and a discharge module. The disclosed system provides an opportunity for manual inspection of the mats, too. Because the mats that are fed into the system are jostled or shaken before they are washed, reduced amounts of chemicals, water, water pressure, drying energy, etc. are needed to clean the mats. The system may also optionally include a automatic rolling and sorting apparatus, which rolls a mat and sorts it according to weight, size, etc. after it is discharged from the discharge module. A method of cleaning mats is also disclosed.

IPC 8 full level

**A47L 13/00** (2006.01)

CPC (source: EP US)

**D06F 31/00** (2013.01 - EP US); **D06G 1/00** (2013.01 - EP US)

Citation (search report)

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CN112281287A

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